

Dear Customer,

We present our group of companies based on the statement that Filtration is our World: «Global Filtration Solutions» is how we define TEFSA; a company dedicated to the search of complete solutions to your filtration problems.

In this sense we have developed, in these last 42 years, personal solutions with different types of filtration equipment, offering a broad range of products capable to give solutions to every filtration problem with the suitable equipment and technology for each case.

TEFSA applies the own specific filtration know-how in optimum and well balanced solutions, quality in our products and services, and tailor-made units for customers with exceptional requirements.

The main TEFSA filtration equipment line, designed and completely manufactured in Barcelona, is listed as following:

Chamber & Membrane Filter Presses:

Complete range of filter presses in terms of design, size and automation level, manufactured according the application & product characteristics' needs for process industries and environmental applications.

Main characteristics:

- Overhead or sidebar design.
- Plate size range from 300 x 300 mm to 2500 x 2500 mm.
- Filtration pressure range from 2 to 60 bar.
- Automation level from manual to full automatic & continuous operation.
- All type of protections as per application/product request, from standard construction to full stainless steel clean room & food graded protection.
- Complete range of filter press auxiliaries: cloth washer, cake scraper, drip trays, manifolds, PLC power & control panels, security elements, etc.
- Complete range of installation auxiliaries: cake conveying & handling, air system, pumping elements (sludge feeding, membrane squeezing, cloth washing, and others), sludge thickening & conditioning, instrumentation, engineering, etc.
- Experience in all industries: mining, chemical & petro-chemical industry, food & pharmaceutical field, environmental applications, etc. (Application List available).



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Belt Filter Presses:

Complete range of belt filter presses in terms of design and size, manufactured according to the application & product characteristics' needs for mainly environmental applications and some specific process industries.

Main characteristics:

- Diverse design range (operational pressure, per application with specific design, footprint, others).
- Belt width range from 500 mm to 3000 mm.
- All type of protections as per application/product request, from standard construction to full stainless steel construction.
- Complete range of belt filter press auxiliaries: gravity belt/drum thickeners, mixing elements, reaction-flocculation tanks, (PLC) power & control panels, security elements, etc.
- Complete range of installation auxiliaries: cake conveying & handling, air system, pumping elements (sludge feeding, polymer dosing, belt washing, and others), sludge thickening & conditioning, instrumentation, engineering, etc.
- Experience in all industries: mining, food industry, paper industry, environmental applications, etc. (Application List available).



Vacuum Filters: Drum and Belt Types:

Complete range of vacuum belt & drum filters in terms of design and size, manufactured according to the application & product characteristics' needs for process industries.

Main characteristics:

- Diverse design range (rubber belt & tray type or drum type).
- Belt width range from 250 mm to 3600 mm or from 1 m² to 140 m² filter area.
- All type of protections as per application/product request, from standard construction to full stainless steel construction.
- Complete range of vacuum filter auxiliaries: filtrate tanks, vacuum station, (PLC) power & control panels, security elements, etc.
- Complete range of installation auxiliaries: cake conveying & handling, air system, pumping elements (sludge feeding, vacuum, filtrate, and others), instrumentation, engineering, etc.
- Experience in all industries: mining, chemical industry, etc. (Application List available).



Pressure Filters:

Complete range of pressure filters in terms of type, design and size, manufactured according to the application & product characteristics needs for process industries.

Main characteristics:

- Diverse design range (leave, candle, cartridge, mesh and bag types).
- Filter area range from 1 m² to 60 m².
- All type of protections as per application/product request, from standard construction to full stainless steel construction.
- Complete range of pressure filter auxiliaries: (PLC) power & control panels, security elements, etc.
- Complete range of installation auxiliaries: cake conveying & handling, air system, pumping elements (feeding, filtrate, and others), instrumentation, engineering, etc.
- Experience in all industries: food industry, chemical industry, etc. (Application List available).



Others Products:

Always related to the filtration activity, TEFSA provides some equipment of own design and construction in order to complete the installation works, either before or after the filtration process (mainly thickeners) or for the sludge conditioning process, pumping, instrumentation, etc., as well as engineering services.

Main characteristics:

- Floor or elevated design, steel bolted plates or pre-fabricated concrete panels design.
- Diameter size range from Ø2.5 m to Ø60 m.
- Automation level from manual to full automatic elevation.
- Own drive head design.
- Complete range of thickener auxiliaries: pre-feeding tanks, Floc-Control® System, PLC power & control panels, security elements, etc.
- Complete range of installation auxiliaries: foam collection system, self-dilution system, pumping elements (sludge extraction, sludge handling, and others), instrumentation, engineering, etc.
- Experience in all industries: mining, chemical & petro-chemical industry, environmental applications, etc. (Application List available).



TEFSA offers today the required quality to accomplish our «Global Filtration Solutions» with guarantees; all our products are 100% designed and manufactured in our facilities of Esplugues de Llobregat and Manresa (Barcelona), giving complete importance to the highest quality combined with a carefully designed manufacturing management, quality control, skilled hand labour and competitive pricing.

All materials of construction are from EC or American origin and carefully inspected before starting the construction of the filtration units, going through the different departments in our factory before reaching the final assembly line.

Once in the assembly line, all filtration units are duly assembled and tested to meet the guarantees and prepared for the corresponding transport purposes to destination.

Both the technical office and the factory have specialized people in their team and areas to design and manufacture the different filtration units available in our product line.

Our technical people in the design department are constantly aware of the required changes and market necessities that lead the company to the today's required success, generating continuous improvements and new designs to be implemented in our machines; in this way, TEFSA has accomplished the image of modern technology and modern concepts in our final products.

TEFSA is also fully aware, besides the quality of design & construction, of the quality of service, controlling the exact delivery dates for each running project, and the after sales service requested for start-ups, commissioning services, training, maintenance programs and spare parts requirements.

TEFSA Presentation

General Document (2016)



In order to serve the client efficiently, TEFSA has a «Global Production & Service System» within the TEFSA facilities.

All filtration units which are complemented with auxiliary equipment are made as well under our own departments: electric operation control panels with its own electrical department both in design and fabrication, plastic division for auxiliaries as own factory located in Manresa, and other services which allow the products to reach our desired quality and objectives, including four (4) satellite workshops for the hydraulic power packs, hydraulic cylinders, robot welding process, and general parts.

TEFSA is present on a worldwide basis; we cover over 75 markets with exclusive agents, distributors or own offices in certain areas, TEFSA Asia Pacific (www.tefsa.com.tw), TEFSA-China in Shanghai (www.tefsa.com.cn) and TEFSA-USA (www.tefsausa.com). TEFSA also offers a complete Service Centre in Asia with TEFSA-Asia Pacific and in the Americas with OPTAR SA de CV located in Mexico.

Please contact us in order to determine the closest contact according your location, or contact TEFSA directly at below indicated address.

The TEFSA Group offers the following conditions:

- Being a leading company in Europe as a manufacturer of filters for solid/liquid separation, with the best level of capacity.
- Large experience in most application fields.
- Market succes based on up to date technology and high quality standards at the level of the most well known European firms, and combined with competitive prices and a reliable long lasting quality product.
- Solid financial situation as can be established by our bankers: Banco Bilbao Vizcaya and Banco Popular, mainly.
- Young organization suitable to acquire the best future preparation in sales activities and in technical aspects.
- Situation of the premises in a privilege area, very close to the highway structure around Barcelona, at only 8 Km from our international harbour.

Herewith we would like to appreciate your interest and fidelity towards our company in these last four decades that inspired our motto: «World Knowledge, World Presence».

TEFSA, Técnicas de Filtración, S.A.

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